

## Canine Prostaglandin E1 (PGE1) ELISA Kit-Competitive

**Cat. No.:** EK1F441

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Canine Prostaglandin E1 (PGE1) ELISA Kit-Competitive is designed for the quantitative determination of Canine Prostaglandin E1 (PGE1) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Canine PGE1.
Target Species	Canine
Species Reactivity	Canine
Detection Range	31.26-2000 pg/mL
Sensitivity	9.55 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Prostaglandin E1 (PGE1) is a naturally occurring prostaglandin and is also used as a medication. Prostaglandin E1 was isolated in 1957 and approved for medical use in the United States in 1981. It falls under the vasodilator family of medications, which means it helps open blood vessels and relax smooth muscle. Its synthetic form, alprostadil, is a vasodilator and smooth muscle relaxant used for several medical purposes. PGE1 has significant vasodilatory activity in the canine nasal vascular bed.

Target/Biomarker	Canine PGE1
Target Synonym	Prostaglandin E1; PGE1

### Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.